



**ARTHALAND**  
BUILDING SUSTAINABLE LEGACIES



**Building Net Zero**  
*Attaining Wellness and Sustainability*

2020 SUSTAINABILITY REPORT

## **Building Net Zero: Attaining Wellness and Sustainability**

This year's report reflects our vision and roadmap to reach net zero operations in all our projects through the design and construction of developments that are 100% certified as sustainable and the operations of projects that use 100% renewable energy. This title expresses the benefits of our net zero practices in line with our goal of promoting the holistic well-being of people and the sustainability of the planet.

### **About the Report**

Arthaland's second stand-alone Sustainability Report depicts the company's progress in its journey toward net zero, health, and wellness, demonstrating its transformational leadership amidst the COVID-19 pandemic. This report covers Arthaland's activities and developments for the fiscal year of January 1 to December 31, 2020.

The SEC Annex A<sup>1</sup> remains the official sustainability disclosure for 2020, submitted to the Philippine Securities and Exchange Commission (SEC). This publication is a supplementary report that highlights key information shown in the SEC disclosure.

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<sup>1</sup> Digital copy of this report is available in the Arthaland website: [arthaland.com/sustainability-report](http://arthaland.com/sustainability-report)



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MESSAGE OF THE  
VICE CHAIRMAN AND PRESIDENT

# Building Sustainable Legacies

COVID-19 brought unexpected challenges to our country which placed a strain on the health, sustainability, and resilience of the people. Given this unprecedented situation, I am proud of the manner by which our company operated and excelled amid this adversity. Let me commence by extending my deepest appreciation to the men and women of Arthaland, our partners, the board of directors, and our shareholders for their strong commitment and relentless efforts to achieve our goals during this challenging year.

As the Vice Chairman and President of Arthaland, I am elated with our excellent performance this year. For this reason, I am honored to present the second issue of the Arthaland Sustainability Report, our testament to the company's commitment to advancing net zero, rooted in our steadfast goal to create healthy environments more accessible to people.

The Arthaland 2020 Sustainability Report indicates how we achieved our vision, mission, and core values through our sustainability framework: Environmental, Well-being, Social, and Financial. This framework aligns with the United Nations Sustainable Development Goals which ensures that we contribute to global efforts that unite us to a larger community of changemakers as we move toward a brighter future.

In 2019, Arthaland Century Pacific Tower gained the distinction as the first building in the world to be certified Zero Carbon under the EDGE green building rating system of the International Finance Corporation, a member of the World Bank Group. This commendation recognized the commitment of a boutique developer from an emerging market and its capability to help advance the global goals.

In 2020, we became the first property developer in Asia to be a signatory to the World Green Building Council's Net Zero Carbon Buildings Commitment. This pledge further manifests our leadership in the decarbonization of the building and construction industry.

Parallel to this pledge, is the auspicious awarding of WELL™ pre-certifications for our developments and the adoption of the Health-Safety Rating™. The WELL certification and HSR establishes standards that prioritize the health and safety of our occupants, provide them with better living and working environments, and help them attain a superior quality of life.

2020 also marked a milestone year for Arthaland as we became the first non-banking institution in the country to issue peso-denominated ASEAN Green Bonds. Our confidence in this

bold business decision further demonstrates our strong belief in the value of investing in a greener future.

The present circumstances reaffirm that the world needs more sustainable developments than ever. As a result, green and wellness-oriented facilities have ceased being novelties and have evolved to become essential tools for navigating the future of activities in the workplace and at home.

With a progressive plan that focuses on climate action and health, Arthaland's vision will continue to provide initiatives that would be of great benefit to all our stakeholders.

Arthaland strategically positioned itself as the leader in the industry through its continuous pursuit to build greener and healthier projects, steering clear from conventional practices. Our drive to raise the standards and transform the market allowed us to engage early in innovative solutions for our products and services. This aspiration enabled us to adapt to these complex times quickly and creatively. As we proactively address climate change through successful, profitable, and sustainable developments, we hope to inspire other developers to do the same.

Arthaland foresees a world where people regard sustainable spaces as an essential element for enhancing the quality of life for all. Let us work together to build sustainable legacies that can deliver a better future.

Jaime C. González

HIGHLIGHTS

# The Year 2020

NET ZERO | PG. 16

## Committed to a net zero development portfolio by 2030

- › 100% of projects are registered and are on track for net zero carbon certification
- › Arya Residences and ACPT achieved certification under Advancing Net Zero Philippines

ON TIME CONSTRUCTION | PG. 58

## Cebu Exchange topped off last September 2020

ASEAN GREEN BONDS | PG. 56

## ₱3 Billion

First non-bank issuer to successfully list peso-dominated green bonds in the Philippines

DOUBLE LEED PLATINUM | PG. 18

## Sevina Park and Villa Model Unit achieve highest award, LEED® Platinum

First in Southeast Asia

HEALTH & WELLNESS | PG. 30

## Arthaland pursues WELL™ certification for all its projects

- › 100% of projects are registered and are on track for WELL certification

FINANCIAL TIMES & INTERNATIONAL FINANCIAL CORPORATION AWARD | PG. 84

## Finalist for the 2020 Transformational Business Award

DEVELOPMENT PORTFOLIO PERFORMANCE | PG. 19

### 51%

GHG Reduction  
100% target by 2030

### 60%

Energy Savings  
40% target

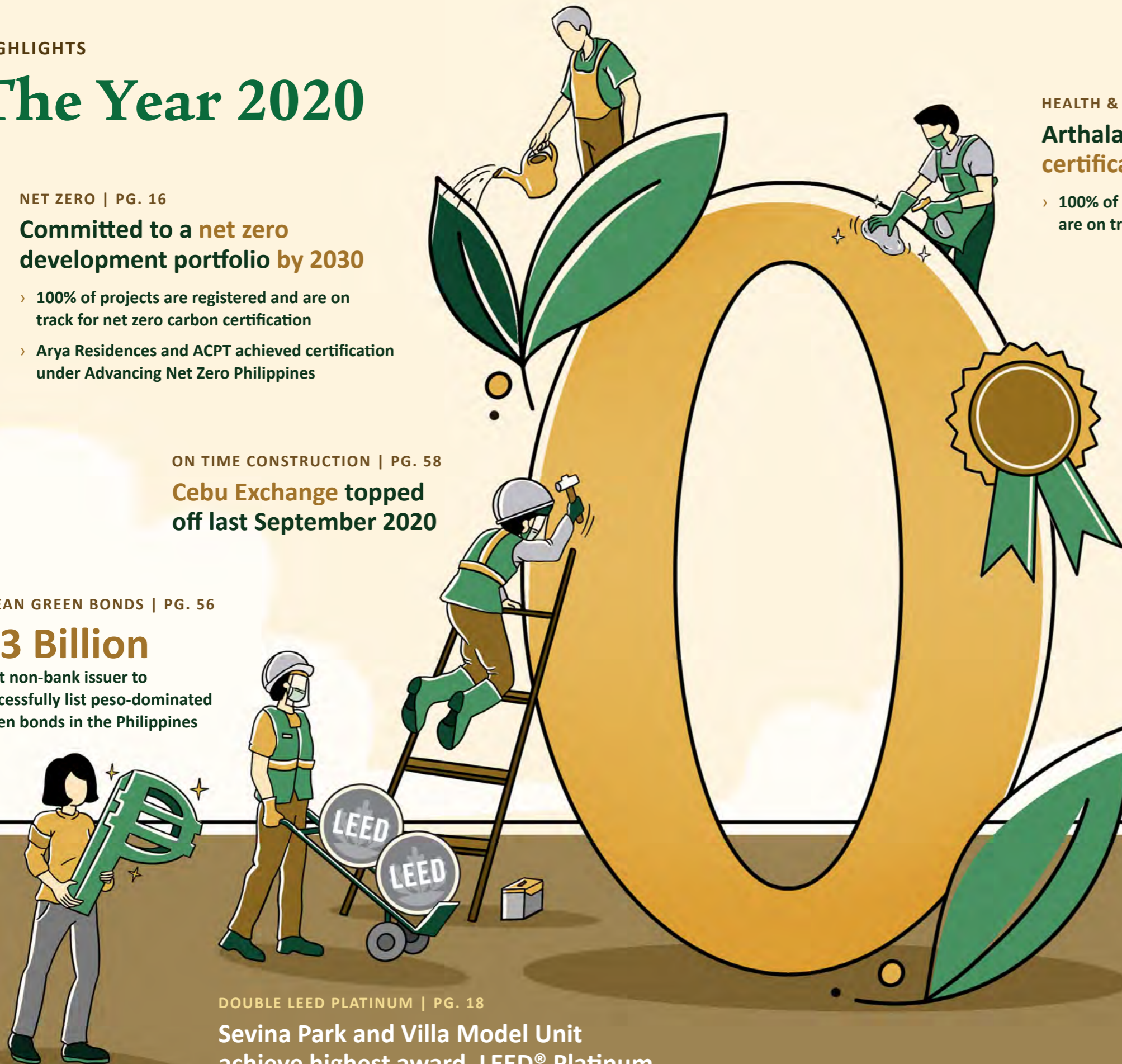
### 54%

Water Savings  
20% target



POTAGER GARDENS | PG. 34

## Healthy and sustainable produce available in all Arthaland properties



SUSTAINABILITY

# The Arthaland Sustainability Blueprint

Net Zero and Wellness for today and the future

Sustainability is the life force of Arthaland which fuels our commitment to the Philippine and global real estate industry. From our inception, we diverged from the approach taken by others in our field by adhering to sustainable building practices and by providing the highest standards in design, quality, and operations. Our strong dedication to sustainability and continuous advances in design fortifies our business and ensures that it is ahead of the curve in addressing environmental, social, and economic concerns.

With steady progress from last year's Sustainability Report, this second publication embodies our core values and provides evidence of our focus on sustainability. We share how our development portfolio has remained unparalleled in the industry and how we have grown, evolved, and innovated as pioneers. However, varied from the first publication is the series of health, economic and social disruptions we faced in 2020. Accordingly, this report also

recounts how we swiftly addressed the impacts of COVID-19 on our business and communities while we remained steadfast in our sustainability goals.

This publication builds on the 2019 report and details our journey toward net zero, health, and wellness, as outlined in our sustainability framework. The framework is composed of four pillars, namely: **Environmental**, **Well-being**, **Social**, and **Financial**. Discussed in each pillar are Arthaland's achievements toward sustainability, aligned with the global movement of changemakers enforcing change across sectors and industries for safer, healthier, and more sustainable communities.

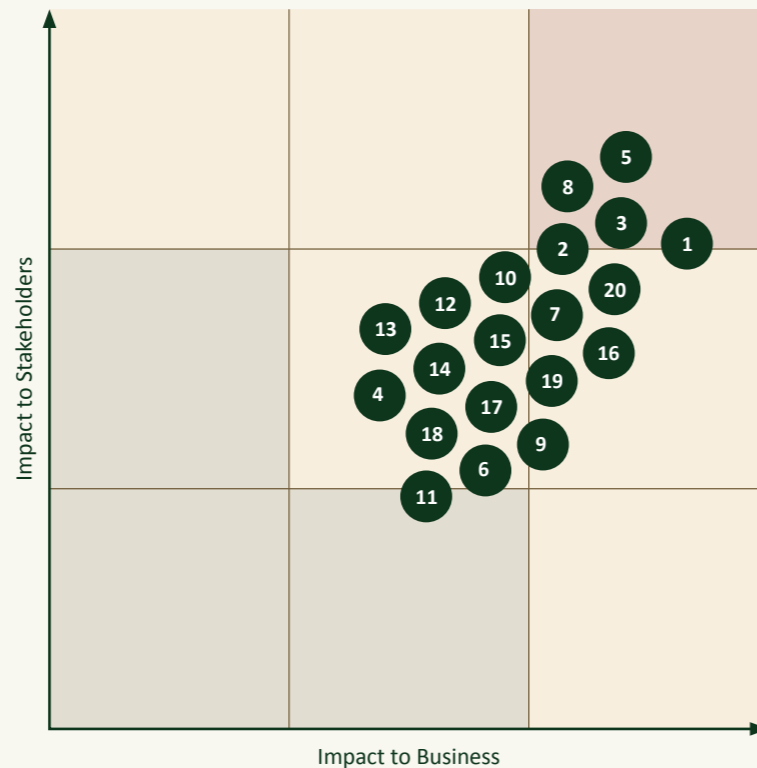
As we transform our industry to make net zero, health and wellness the norm, we hope to shine like a beacon in developing a sustainable environment for communities and future generations.

## Materiality Process

Arthaland’s Management Team and key members of the different business units identified, assessed, and prioritized sustainability topics based on their expertise and knowledge that represent our stakeholder’s interests, particularly our customers, employees, contractors, and local communities.

The criticality of topics is measured as *low*, *medium*, or *high* depending on the relative impact of these factors on our business and stakeholders. Thus, the topics identified as high and medium levels of criticality are presented in this publication, while others not covered here are either deemed with a low level of criticality or not applicable to the business of Arthaland.

Our materiality process highlights areas of business that contribute to our environmental, social, and governance performance which play a fundamental role in achieving the United Nations’ Sustainable Development Goals.



- |  |   |
|--|---|
| 1 Business Ethics  | 11 Employee Recruitment, Engagement & Diversity         |
| 2 Competitive Behavior                                   | 12 Human Rights, Community Relations & Customer Welfare |
| 3 Management of Legal & Regulatory Environment           | 13 Access and Affordability                             |
| 4 Critical Incident & Systemic Risk Management           | 14 Data Privacy & Security                              |
| 5 Product Design, Quality, Safety & Lifecycle Management | 15 Selling Practices & Product Labeling                 |
| 6 Materials Sourcing & Supply Chain Management           | 16 GHG Emissions & Energy Management                    |
| 7 Investment, Credit & Underwriting ESG Risks            | 17 Air Quality  |
| 8 Business Model Resilience                              | 18 Water & Wastewater Management                        |
| 9 Labor Relations, Practices & Compensation              | 19 Waste Management                                     |
| 10 Employee Health, Safety, and Well-being               | 20 Ecological & Climate Impacts                         |

## Climate-related Risks and Opportunities

Arthaland's approach and strategy to climate-related risks and opportunities follow the Task Force on Climate-related Financial Disclosures (TCFD) framework.

### Governance

Sustainability is at the heart of every Arthaland development. Our commitment emanates from the clear directives from our major shareholders and our Board of Directors which resonate across the organization, from the Management Team to the most junior staff. Our Management Team planned and executed these directives consistent with the company’s mission, vision, and core values.

Hence, in 2020, we participated as the first Asian real estate company signatory to the Net Zero Carbon Buildings Commitment (NZCBC) of the World Green Building Council (WorldGBC). Our undertaking<sup>2</sup> includes decarbonizing the entire Arthaland development portfolio by 2030.

### Strategy

Extreme weather events and significant natural disasters impact the company’s delivery of projects and increase the costs of maintaining our properties. Moreover, major biodiversity loss and ecosystem collapse impact resources essential to the construction and operations of developments. Therefore, to reduce risks and climate impact, we utilize sustainable practices in our design, construction, and operations.

Our key strategies involve dedicating approximately 30% of the area in our developments for vegetated and open spaces to support local biodiversity and manage rainwater. In addition, we integrate design elements that increase our resource efficiency by 20% for water and 40% for energy compared to local conventional building consumptions.

<sup>2</sup> More information about Arthaland's commitment can be found in [www.worldgbc.org](http://www.worldgbc.org)

We rigorously employ these strategies to mitigate and adapt to climate change and reduce environmental damage and disasters.

### Risk Management

Arthaland regards climate-related risks with high importance because of their significant impact on our projects and the surrounding communities. A holistic approach includes the project’s impact reduction on transportation, micro-environment, indoor environment, and resources in water, energy, and materials.

As a result, we engage experts as part of our project team to address potential hazards and increase our projects' resiliency. We also possess a dedicated sustainability team composed of licensed and experienced experts who oversee and execute our approach to sustainability in all our developments.

### Metrics and Targets

The adherence to the highest standards of sustainability, measured and verified through globally recognized and locally relevant green building certifications, is clearly established as a norm for all of Arthaland’s developments.

At present, these standards are defined through the achievement of the following certifications:

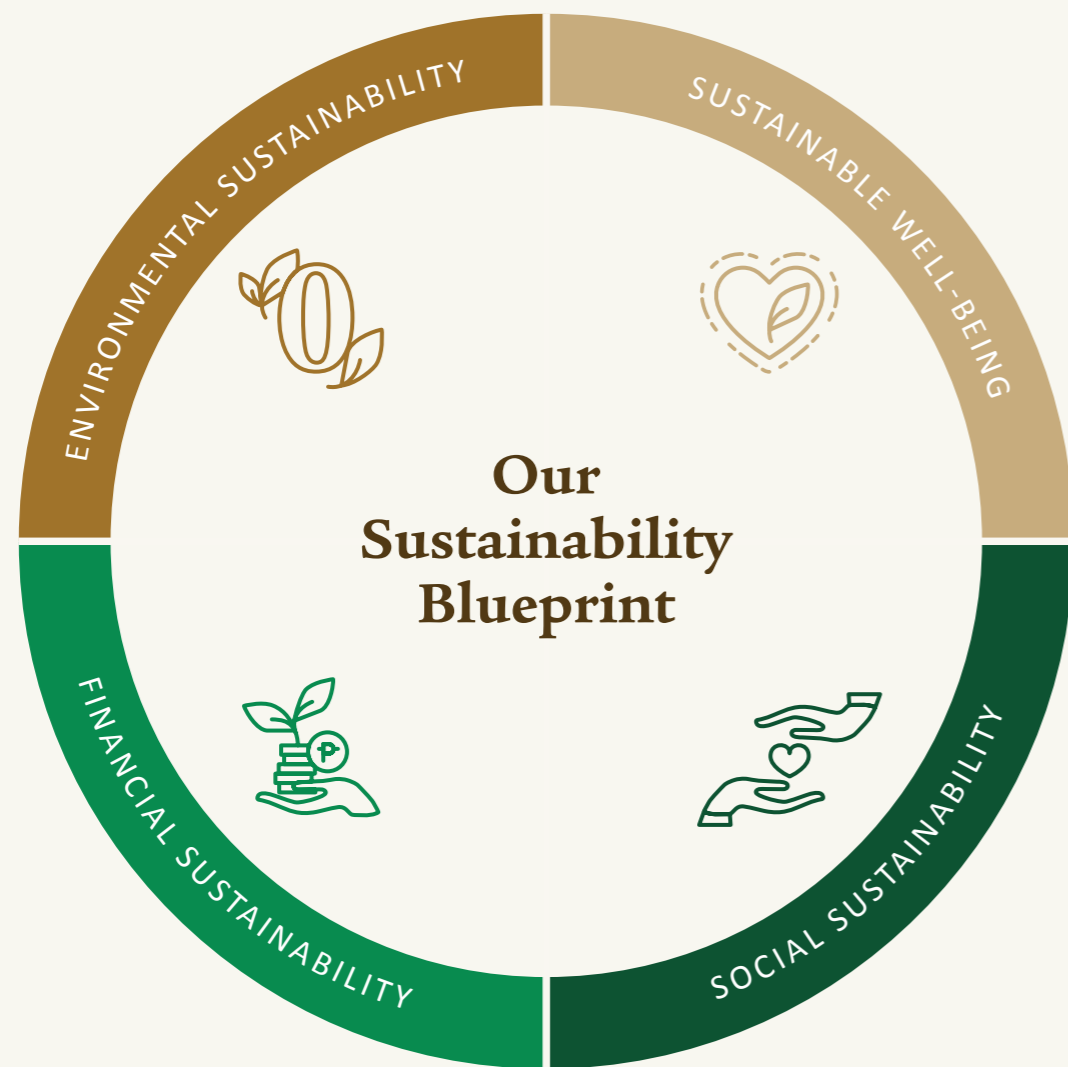
- › Leadership in Energy and Environmental Design™ (LEED®)
- › Building for Ecologically Responsive Design Excellence (BERDE)
- › Excellence in Design for Greater Efficiencies (EDGE)
- › WELL Building Standard™ (WELL™)

## Sustainability Framework

Arthaland positions itself to be a paragon of sustainable practices in the industry because of our leadership in net zero, health and wellness in building and construction. Heightened by the fact that our industry is a major contributor to greenhouse gas (GHG) emissions, we play a crucial role in delivering a better future. Thus, our framework is closely integrated to ensure that environmental, social, and economic concerns are addressed in all facets of our projects.

This publication highlights our journey to fulfill our sustainability approach through the following subsections in each pillar:

- › **Pillar** – our sustainability approach and activities
- › **UN SDG** – our contributions to the global sustainable development efforts
- › **Commitment** – our guiding core values and targets
- › **Partnership with a Purpose** – testimony from our stakeholders
- › **Women in Arthaland** – feature section of an empowered female employee



ENVIRONMENTAL SUSTAINABILITY | PG. 14



### Achieving Net Zero for Today and Beyond

We minimize our impact on the environment and advocate for the health of our planet.



SUSTAINABLE WELL-BEING | PG. 28



### Resilience through Wellness

We prioritize the health, comfort, and well-being of our stakeholders.



SOCIAL SUSTAINABILITY | PG. 42



### Supporting Communities

We advocate for the value of sustainability in our communities.



FINANCIAL SUSTAINABILITY | PG. 54



### Investing in Net Zero

We invest in environmentally, socially, and economically sound ventures.







## ENVIRONMENTAL SUSTAINABILITY

# Achieving Net Zero for Today and Beyond

Our company's initiatives under the Environmental Sustainability pillar epitomize our core values of foresight and finding joy in doing things differently. Our race to net zero bridges the gap between a sustainable future and our most concrete contribution to today's global call for climate action. Our unrelenting pursuit for transformative solutions allows us to exceed standards to achieve our vision of becoming a leader in cutting-edge sustainable developments.

Arthaland's initiatives complement international movements relevant to climate action. Most significant of which is the landmark Paris Agreement in 2015, a legally binding international treaty that brought nations into a unified effort to combat climate change. The treaty was adopted by 196 parties to limit global warming to 1.5-2°C compared to pre-industrial levels and achieve climate neutrality by 2050. Cognizant that the building and construction sector is responsible for around 35% of global energy consumption and 38% of associated emissions (UNEP, 2020), Arthaland committed to partake in this cause by targeting to achieve net zero emissions by 2030.

In 2020, Arthaland became the first in the Philippines and the first Asian property developer signatory to the Net Zero Carbon Buildings Commitment (NZCBC) of the World Green Building Council (WorldGBC). The pledge<sup>3</sup> necessitates Arthaland to decarbonize its entire development portfolio by 2030. Our undertaking to the NZCBC fortifies our participation in the global call for an ambitious transformation toward a net zero carbon-built environment. Arthaland is also a member of the Energy Productivity 100 (EP100) of The Climate Group. EP100 counts 126 energy-smart companies as members, all of whom are committed to using energy more productively to lower greenhouse gas (GHG) emissions and to accelerate a clean economy.

Arthaland strives to influence the building and construction sector by developing net zero carbon buildings as an industry standard. We believe that sustainability in this sector must be the norm if we are to aspire for a net zero future. Leading our country to carbon neutrality, we established a Net Zero Carbon Building Roadmap for our portfolio of developments.

<sup>3</sup> More information about Arthaland's commitment can be found in [www.worldgbc.org](http://www.worldgbc.org)

# Net Zero Carbon Building Roadmap

The highest sustainability standards are incorporated in our design and operations to reinforce that our new and existing developments will reach net zero goals by 2030. With the guidance of this roadmap we created, we can intentionally respond to the global challenge for climate action.

**2019**  
The ACPT achieves EDGE Zero Carbon certification

**2020**  
50% of Arthaland's developments are certified net zero

GLOBAL GOAL  
**2030**  
All new buildings must operate at net zero carbon

GLOBAL GOAL  
**2050**  
100% of buildings must operate at net zero carbon

A net zero carbon building is highly energy efficient with all remaining energy from on-site and/or off-site renewable sources.

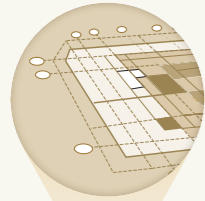
World Green Building Council



**1** Design certified sustainable buildings

**2** Construct more energy-efficient buildings vs. conventional ones

**3** Operate energy-efficient buildings using 100% renewable energy



## 1 Design certified sustainable buildings

Our first step toward net zero projects is designing sustainable buildings that adhere to globally recognized and locally relevant standards for green building.

### The foundation to a net zero carbon building

We work with the most qualified consultants during planning to formulate designs that hold the highest standards for sustainability. With the integration of sustainability strategies at the onset of every project, we eliminate costly retrofits during construction or after delivery. Our projects vie for the most reputable green building certifications geared toward climate action. These certifications include the Leadership in Energy and Environmental Design™ (LEED®), the Building for Ecologically Responsive Design Excellence (BERDE), and the Excellence in Design for Greater Efficiencies (EDGE).

### Double LEED® Platinum for Sevina Park

Sevina Park is the first and only master-planned, mixed-use community in Southeast Asia to achieve Platinum certification for both LEED® for Neighborhood Development (LEED® ND) and LEED® for Homes rating systems. The LEED ND strategies facilitate community planning processes ideal for green intervention and transformation to create healthy, resilient, and sustainable communities.

Arthaland has expanded its sustainability footprint from initially building tower projects to horizontal developments. Sevina Park, our flagship mixed-use development, was designed with movement and connectivity in mind, ensuring that the neighborhood is within walking and cycling distance from daily necessities like food outlets, school, and transportation—the essentials needed for comfort and convenience.



## 2 Construct more energy-efficient buildings vs. conventional ones

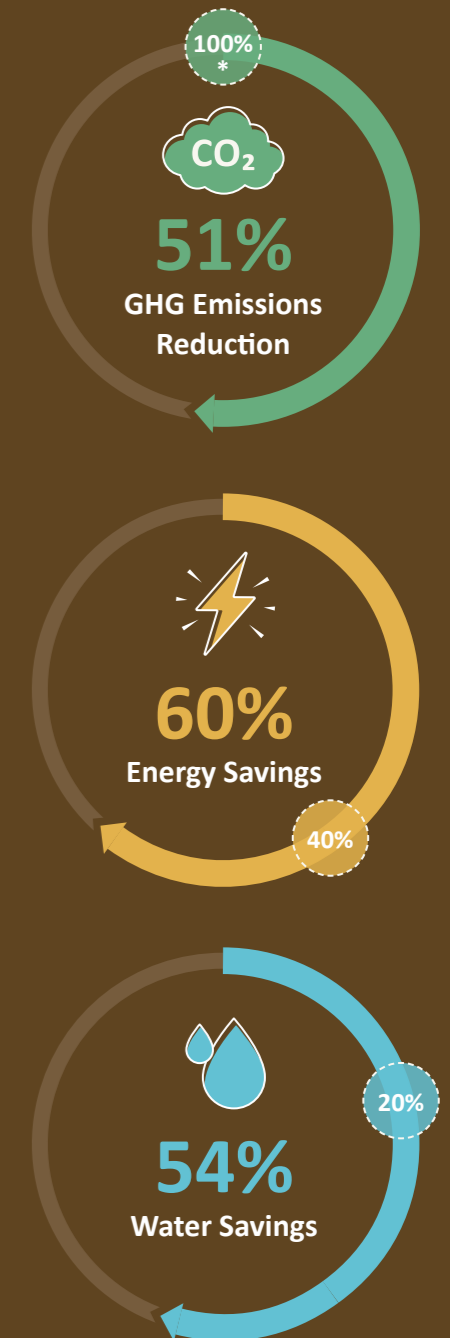
The next step in our roadmap involves the construction of projects that use fewer resources and demonstrate high energy efficiency. We practice the principle of “efficiency first” which requires a reduction in the total energy demand of the building through the use of passive design, followed by the integration of active technologies.

Our energy reduction strategies include:

- › Double-glazed, low-e glass
- › Vegetated and open spaces
- › Energy efficient air-conditioning systems
- › Smart lighting systems with low-emitting diode lamps
- › Energy recovery ventilators

### 2020 DEVELOPMENT PORTFOLIO PERFORMANCE

Designed for target savings<sup>4</sup>



<sup>4</sup> Savings are calculated according to the LEED building performance methodology with international sustainable projects as baseline  
\* by 2030



### 3 Operate energy-efficient buildings using 100% renewable energy

After reducing the energy demand of a project, we utilize renewable energy sources to avoid the operational carbon emissions derived from generating conventional electricity. It is essential to urgently eliminate as much emissions as possible before climate change becomes more material and tangible, especially in vulnerable countries like the Philippines.

In reference to the Department of Energy's 2019 Power Situation Report, 70% of the country's energy mix is from carbon-emitting sources, such as coal. The report also illustrates a 9% increase in the installed capacity of non-renewable sources while only 2% for renewable energy from 2018. At this rate, carbon emissions will continue to rise rapidly, resulting in more environmental, economic, and social losses. In light of this situation, property developers, investors, and occupants alike need to reverse this issue by demanding

urgent access to 100% renewable energy. The creation of this demand can lead to a significant shift in the industry, increasing economic opportunities for renewable energy and forging a better and faster path to a net zero carbon world.

We take the lead in creating this demand by contracting 100% hydroelectric energy supply for our flagship office development, Arthaland Century Pacific Tower (ACPT).

#### Promoting EDGE Zero Carbon Certification

Arthaland's successful net zero certification and participation in the EDGE Zero Carbon certification have helped the International Finance Corporation (IFC) expand its certification globally. In addition, our experience in the foundation of sustainable buildings has allowed us to model the EDGE Zero Carbon certification in our developments which enables us to share our perspectives on its impact, challenges, and advantages.

#### Piloting the Advancing Net Zero Philippines

The Philippine Green Building Council (PHILGBC) developed the Advancing Net Zero Philippines (ANZ/PH) program as the national rating scheme to assess a building's energy performance. This program aims to transform the design, construction, and operations of projects towards the net zero carbon goal and is in line with the ANZ global campaign of the WorldGBC. Furthermore, the PHILGBC recognized our trailblazing efforts to fully decarbonize our portfolio by awarding our flagship projects with ANZ/PH 3-Star for Arya Residences and ANZ/PH Net Zero Energy for ACPT.

#### 2020 DEVELOPMENT PORTFOLIO PERFORMANCE

Calculated based on LEED building performance methodology with international sustainable projects as baseline



**103.7**  
Million kg CO<sub>2</sub>

**GHG Emissions Reduced**

equal to



**5,070 Hectares**

Area of forest sequestering carbon (EPA GHG Calculator, 2021)



**22**  
Million kWh

**Energy Reduced**

equal to



**266 Bulbs**

Number of 8W bulbs burning for 24 hours in a year



**103.6**  
Million liters

**Water Reduced**

equal to



**41 Pools**

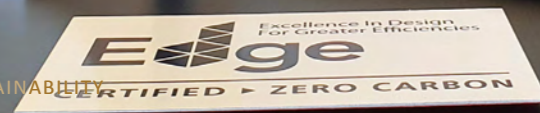
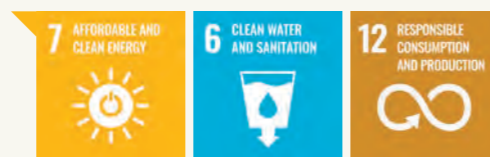
Number of Olympic swimming pools

## Sustainable Development Goals

Arthaland works toward a decarbonized portfolio with its collaborative efforts to partake in the Net Zero Carbon Building Commitment of the WorldGBC. In this respect, the company’s vision on net zero enables us to create significant contributions that respond to the global call to reduce GHG emissions.

Arthaland aims to attain net zero carbon operations for its entire development portfolio by 2030, including design and operations of resource-efficient buildings in terms of energy, water, and materials. Our operations also highlight our demonstration of greater energy efficiency and the use of 100% renewable energy to ensure access to affordable, reliable, and sustainable energy.

Arthaland’s flagship mixed-use development, Sevina Park in Biñan, Laguna features sustainability at a community scale. Hence, our double LEED Platinum award further reaffirms our ability to not only create buildings, but also communities that are inclusive, safe, resilient, and sustainable.



## Partnership with a Purpose

A multinational occupant discusses how locating in an Arthaland office development has enabled them to reach their business goals.

### ING Bank Philippines

ING Bank (ING) is a global financial institution that operates in more than 40 countries. Its retail bank is the first all-digital bank in the Philippines, where it has continued to grow since 1990. ING’s commitment and leadership in sustainability start with their operations, set to reduce 90% of their CO2 emissions by 2030.

“As a globally responsible bank, we have to play our part in creating a sustainable world. Locating in Arthaland Century Pacific Tower was a natural choice for us to meet the low-carbon economy of the future.”

Hans B. Sicat  
Country Manager and Head of Clients

## Arthaland's Commitment

### Core Values

*We look towards the future | We enjoy doing things differently*

To strengthen Arthaland's commitment to sustainability, we constantly seek ways to develop greener and healthier buildings for globally impactful and locally relevant climate action. We hold a strong influence in the market through our leadership to achieve net zero, a transformative and innovative solution that can drive the nation and industry toward a better future.

### Certifications

**Leadership in Energy and Environmental Design™ (LEED®)** provides an international standard for designing and constructing sustainable buildings which addresses global issues such as energy and GHG emissions. The attainment of LEED certification is a recognition that authenticates our projects as globally impactful in addressing profound environmental problems.



**Building for Ecologically Responsive Design Excellence (BERDE)** delivers a national standard for designing and constructing sustainable buildings which considers locally relevant issues like transportation and indoor environment quality. Earning this certification proves that our projects are adequate and suitable for the local environment.



**Excellence in Design for Greater Efficiencies (EDGE)** is an internationally recognized standard for designing sustainable projects which deals with the global issue of resource efficiency in energy, water, and materials. Achievement of this certification means we are recognized to practice dutiful and responsible resource management.



## Women in Arthaland

We value women in our company; hence we push the envelope for gender equality and women empowerment. We feature a female Arthaland employee who has delivered exemplary contributions to the company.



### Kristina Samantha S. Pobre

*LEED AP® BD+C, O+M, ID+C, EDGE Expert,  
Certified BERDE Professional*

"Sam" is Arthaland's Sustainability Manager who oversees its approach to sustainability and its overall execution throughout project lifecycles. Through Arthaland's empowerment, she has overcome challenges and led the certification of the country's first certified net zero carbon project, Arthaland Century Pacific Tower. This feat was a significant milestone and breakthrough for Arthaland which proved to be a tangible reflection of its efforts toward decarbonizing all its developments by 2030.

"I am grateful for Arthaland's empowerment in this success. Arthaland taught me that even a young female professional like me could forge a path for the Philippine real estate market to achieve certified net zero projects and help advance global goals."

PROPERTY FEATURE

# Cebu Exchange

Arthaland's multi-certified sustainable flagship development in Southern Philippines

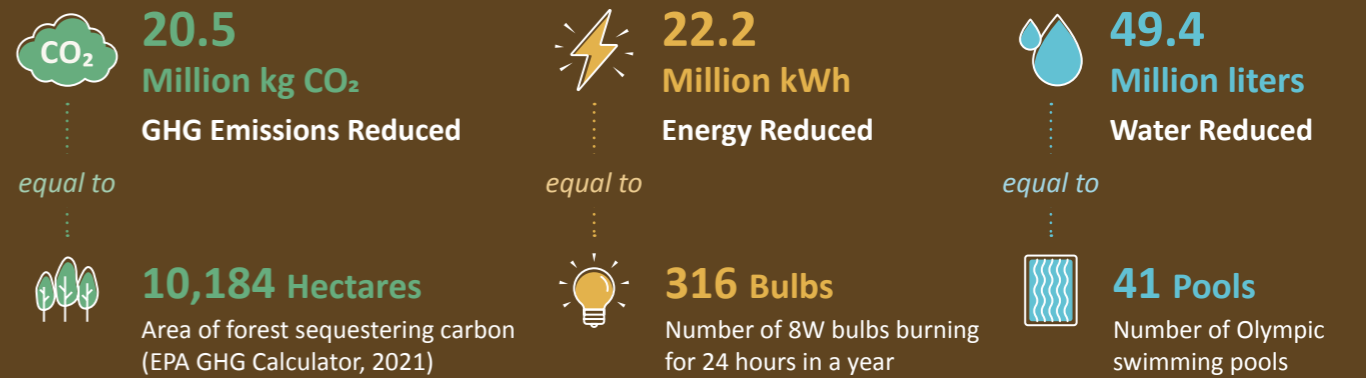


**Cebu Exchange** is a prime commercial development strategically located at the gateway of the Cebu I.T. Park in Cebu City which is considered to be one of the most preferred locations by multinational corporations in the southern Philippines. Housed within this Grade A development is approximately 11 hectares of gross floor area that delivers a wealth of sustainability and wellness-oriented features suitable for the global and agile businesses of today.

**i**  
Learn more:  
OUR PROPERTIES  
page 68

## Projected Building Performance

Calculated based on BERDE building performance methodology with local sustainable projects as baseline



## Building Highlights

### Net Zero

- \* **100% renewable energy** decarbonizes the operational energy of the building
- \* **Rainwater, condensate water, and graywater recycling systems** collect, treat and reuse alternative water sources that lessen the water demand from the municipal supply, and reduce the risk of flooding in its community

### Health & Wellness

- \* **Contactless technologies** reduce the risk of disease transmission
- \* **Potager Garden** provides easy access to nutritious food

- \* **2,600 sq.m. of vegetation** reduces heat in the micro-environment and provides opportunities for social cohesion



Pre-certified Gold



Design 5-Star



Pre-certified



Registered



SUSTAINABLE WELL-BEING

# Resilience through Wellness

At Arthaland, we envision sustainable health and well-being under the lens of having “a wealth of life.” This equates to surpassing the traditional material definition of wealth to discover joy in spiritual progress and meaningful existence. Furthermore, under the Sustainable Well-being pillar, our belief is to prioritize our stakeholders’ health and safety, contributing to our resilience during these unprecedented times.

## Advancing Health through Design

The global pandemic that resulted in community quarantine restrictions, ubiquitous innovations in technology, and remote work protocols has compelled people to adopt more indoor-oriented lifestyles. However, spending large amounts of time in buildings with poor health and safety standards may cause occupants to experience discomfort and health problems, called “sick building syndrome.” As a result, the enhancement of work and living conditions through indoor air quality, exposure to light and vegetation, and access to healthy food significantly increased in value and priority.

With Arthaland’s position to create spaces that elevate the quality of life, we employ state-of-the-art wellness solutions in our developments. These include air filtration systems, contactless technologies, daylight optimization, and convenient access to healthy food through potager gardens. Our holistic wellness solutions satisfy both our occupants’ physical and mental well-being and result in enhanced immune systems, higher productivity levels, and an overall improvement in their mood.



## Research-based Strategies

Arthaland believes that designing safe and livable spaces is a never-ending process. Hence, we commit to constantly improve our standards. We implement the best practices and principles recommended by the International WELL Building Institute™ (IWBI™) and strive to achieve WELL™ certifications for all our projects. Our certifications prove that our buildings are backed up by the latest scientific research, bolstering a people-first environment that allows our communities to thrive.

To accommodate the growing need to implement best practices in pandemic management, IWBI introduced the Health-Safety Rating™ (HSR™) in 2020. The HSR is a tool that supplements the WELL Building Standard™ and further evaluates a building's mitigation measures for disease transmission based on evidence-based metrics. This tool includes recommendations from global health organizations such as the World Health Organization (WHO) and the Centers for Disease Control and Prevention (CDC). Our operational practices in Arthaland Century Pacific Tower (ACPT) were awarded the HSR seal which certifies its successful implementation of health-related measures for safe operations.

Our strategies include the following building features:

- › Mechanically-induced ventilation with high-efficiency filtration media
- › Contactless technologies for reduced interactions in high-touch surfaces
- › Complete support for handwashing facilities

### WELL CERTIFICATION

**12,588**  
Buildings registered worldwide

**14**  
WELL certifications registered in the PH

**7**  
From Arthaland

### WELL HSR

**11,453**  
Buildings registered worldwide

**21**  
Health-Safety Rating registered in the PH

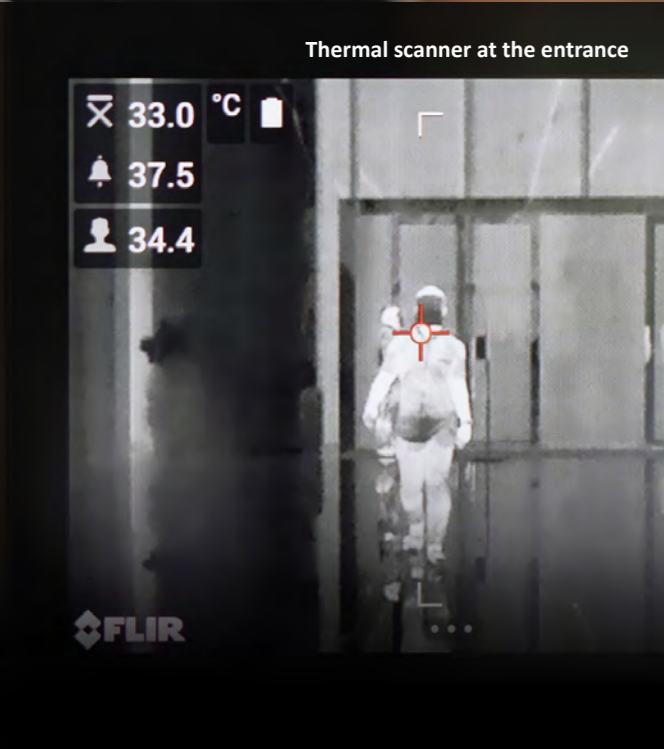
**1**  
From Arthaland



Data source: IWBI Directory as of May 2021



Sensor-operated sanitizing dispensers in high traffic areas



Thermal scanner at the entrance



Health declaration prior to entering the building

## COVID-19 Mitigation Efforts

Our response to the COVID-19 pandemic involved quick and innovative solutions that minimize the risk exposure of our residents, tenants, and employees. For example, our property management arm established measures to detect infections before entry to our developments, prevent transmissions through surface contact, and promote personal hygiene. Some of our measures included:

- › Availability of in-place shelter option for front line employees
- › A weekly on-site antigen test
- › Increased frequency of disinfection and sanitizing activities in common areas
- › Installation of thermal scanners at entrances
- › Installation of sensor-operated sanitizing dispensers in high traffic areas
- › Operation of a virtual concierge

By keeping our building management staff safe, we ensure the safety of our occupants.

### Employee Support

In the course of the pandemic, the series of lockdowns resulted in limited mobility which created a unique challenge to our frontline personnel who needed to report on-site. Moreover, the risk of COVID-19 contamination dramatically affected everyone's well-being. Coupled with lockdowns, this affected mental health which added more challenges for people to contend with every day, such as living sedentary lifestyles, social isolation, and constant adjustment to new health protocols prescribed by organizations and the government.

Arthaland's core value of *caring for each other* further manifested through our efforts to provide coping strategies, which included the following:

- › Provision of shuttle services to reduce risk of exposure, especially for those who use public transportation
- › Expansion of the employee healthcare benefits to include COVID-19 related in-patient services
- › Launch of accessible support programs that seek to help people adjust to the "new normal" and lessen the impact of social isolation on mental health
- › Establishment of 24/7 telepsychiatry consultation services for issues relating to mental health
- › Implementation of the "Scale to Fitness" program, an incentivized health improvement program focused on encouraging our employees to stay active and healthy
- › Roll out of "Securitips" by Arthaland, an internal campaign geared to inform and give updates relevant to COVID-19
- › Distribution of care kits that contain essentials for safety and good health



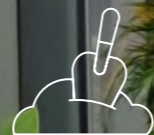
## Potager Gardens by Arthaland: Wellness through Nutrition

Arthaland builds Potager Gardens to make edible plants and herbs accessible to residents and tenants. Potager (pronounced as po-ta-je) comes from the French word potagère, which translates to "for the soup pot." Essentially a kitchen garden where organic produce is grown, harvested, and served at the dinner table. The Potager Garden started as a project in Arya Residences which now exists in all our developments and will be incorporated in our future projects. This garden provides residents and tenants access to fresh organic produce all year round as it boasts of a wide array of bountiful crops shared and cared for by the occupants and staff. In addition, our developments foster a stronger sense of community through this project by deepening people's connection with food and nature.

We published a book titled "The Potager Garden at Arya Residences" which exhibits our garden and its harvest, coupled with delectable recipes contributed by residents. The book is a tangible testament that celebrates our relationship with our communities and the impactful connections created within this space.



Self-Sustaining



Organically Fertilized



Varietal Produce



Health-Safety Rating™ seal at the Arthaland Century Pacific Tower

## Sustainable Development Goals

Arthaland’s mission to bring “a wealth of life” has guided us in navigating through the challenges of 2020. We adopted a holistic approach in health and wellness by addressing both our stakeholders’ physical and mental health for improved well-being.



We implemented stricter operational measures to prevent diseases and promote personal hygiene to help keep our workforce and building occupants safe. Moreover, Arthaland’s developments employed state-of-the-art solutions backed up by evidence-based research through our pursuit of the WELL™ certification and Health-Safety Rating™.

## Partnership with a Purpose

A prestigious real estate brokerage professional services company shares its outlook on how green and healthy spaces will play a pivotal role in the market during and after the pandemic.

### Colliers Philippines

Colliers Philippines is a premier diversified professional services and investment management company. With branches operating in 67 countries, they provide expert advice to real estate occupiers, owners, and investors.

“We believe that the adoption of sustainable features plays a crucial role in the future-proofing of office towers beyond the pandemic. The growing trend for green and wellness attributes in commercial spaces complements the recovery of office leasing demand—it also benefits lessors in terms of better occupier retention and attraction strategies even after the COVID-19 situation. Certified sustainable office towers are growing locally in prime locations, such as Cebu, where Arthaland will soon complete Cebu Exchange, their premium, green and sustainable development in Southern Philippines.”

Joey Roi H. Bondoc  
Associate Director, Head of Research

## Arthaland's Commitment

### Core Values

*We always strive to delight our customers | We care for each other*

Arthaland's mission to provide the highest working and living standards fuels the company's drive to pursue certifications that serve as measurable and credible testaments to the care that our occupants receive. Furthermore, we extend our care for each other by implementing measures and protocols that provide our workforce with better health, safety, and well-being.

### Certifications

**WELL™ Certification** offers measurable metrics for evaluating the design and operations of Arthaland developments according to the WELL™ Building Standards for the advancement of health and well-being in buildings. Recognition under this standard provides evidence in our delivery of more thoughtful and intentional spaces that advance human health and well-being.

**Health-Safety Rating™ (HSR™)** was designed to supplement the WELL Certification standards to help projects integrate features and initiatives that prioritize the health and safety of building occupants, especially during a pandemic. The HSR seal awarded to Arthaland signifies our adaptability to the needs of the changing times to protect the health and safety of those we serve.



## Women in Arthaland

As we strive for gender equality and women empowerment, we feature a female Arthaland employee who has played an instrumental role in the company's growth.



### Cyrene Pamela N. Simbulan

"Pam" is a Marketing Manager who handles the development and execution of marketing plans for Arthaland's projects. Pam has firmly positioned our flagship mixed-use development Sevina Park as the greenest and healthiest community in the country. This accomplishment further fortifies Arthaland's brand of sustainability in community-scale developments as the company expands its footprint in Laguna.

*"I am grateful to Arthaland for giving me a voice in the company and encouraging me to be the best version of myself. Being able to utilize my skills and talents fully, I feel greatly empowered."*

PROPERTY FEATURE

# Savya Financial Center

The next generation sustainable building in the Philippines



**Savya Financial Center** is a commercial property located in ARCA South, Taguig, a dynamic and progressive district. This office development showcases sustainable features and superior design that uplift the work style experience and challenges one's concept of the ideal work environment.



Learn more:  
OUR PROPERTIES  
page 70

## Projected Building Performance

Calculated based on EDGE building performance methodology with local conventional projects as baseline



## Building Highlights



### Net Zero

- \* **100% renewable energy** decarbonizes the operational energy of the building
- \* **Rainwater recycling systems** collects, treats, and reuses alternative water source that lessens the water demand from the municipal supply and reduces the risk of flooding in its community



### Health & Wellness

- \* **Increased ventilation with highly efficient filtration systems** improves indoor air conditions for better health and well-being of occupants
- \* **Contactless technologies** reduce the risk of disease transmission
- \* **Potager Garden** provides for easy access to nutritious food



Pre-certified Gold



Registered



Pre-certified



Registered



## SOCIAL SUSTAINABILITY

# Supporting Communities

Our initiatives under the Social Sustainability pillar echo our core value of “working together to get better.” In what may be the most challenging year in our lifetime, we continue to advocate for the education of our stakeholders with emphasis on the value of sustainability. We forge ahead with our work with partner organizations to raise the standards of sustainability. We recognize the urgent need for COVID-19 relief in our communities, thus we continue to offer our time, resources, and effort collectively.

## Building Sustainability Literacy

Arthaland aims to impart a deeper appreciation of the value of sustainability on people’s health and our planet. Our efforts related to this campaign included creating the “Future of Real Estate Sustainability Talks” (FOREST) webinar series, through which we shared our advocacy of building sustainable legacies. The first episode of the FOREST webinar titled “Master-planned to Thrive: How green communities benefit people and the planet” gathered a mix of local and international experts who discussed the benefits of sustainable communities. At par with this project, our webcast series called “Arthaland Presents” launched its first episode titled “Greening Your Home” which offered practical knowledge related to the integration of home resource efficiency systems that can result in savings when practiced.

These educational campaigns intend to inform various target audiences, including the building industry representatives (professionals, construction workers, supply chain), local government units, and business stakeholders (investors, partners, customers). The campaigns strive to open minds to gain more sustainability advocates which bodes well for the future of our country and our planet.

As we transform our communities, we also hope to inspire the industry and influence our fellow property developers to adapt and integrate sustainability in their design, construction, and operations. We work toward this goal by providing evidence that sustainable buildings are better for health and more profitable than conventional structures. Since a net zero world is only possible when everyone works toward that solitary goal, we hope our efforts will influence others to answer the urgent call for climate action.

## Raising the Standards of Sustainability

With our continuous pursuit to raise the standards of the building industry, we participate in the initiatives of our partner organizations' initiatives to help create practical, applicable, and impactful rating systems that institute veritable standards for green and healthy buildings. Our collaboration with others creates a compelling dialogue where we share our experiences and learn from each other. This pursuit also allows us to expand our network to create a more robust mesh of partnerships geared toward the same goal.

### Net Zero Carbon Building Commitment with WorldGBC and The Climate Group

In collaboration with the World Green Building Council (WorldGBC) and The Climate Group, Arthaland formalized its commitment to a net zero development portfolio. We became the first in the Philippines and the first Asian property developer signatory to the Net Zero Carbon Buildings Commitment (NZCBC). This pledge fortifies our position as the foremost sustainable developer, leading the country toward the ambitious goal of net zero. This commitment was further substantiated by Arthaland Century Pacific Tower's (ACPT) achievement of being the first building in the world to receive an EDGE Zero Carbon certification. This recognition affirms that net zero operations in buildings are achievable even in emerging markets.

### Advancing Net Zero Philippines with PHILGBC

Arthaland works with the Philippine Green Building Council (PHILGBC) to influence the Philippine market for carbon neutrality. The Advancing Net Zero Philippines (ANZ/PH) pilot program is the local standard for net zero projects and a stand-alone subset of the BERDE certification. It focuses on energy efficiency and decarbonization of projects tailor-fit to the local environment. Its ratings refine our developments further, making sure that we are on track with our goal to decarbonize our operations fully.

### Building Resilience Index with IFC

To address climate resiliency, we teamed with the International Finance Corporation (IFC), a member of the World Bank Group, on their Building Resilience Index (BRI) rating tool. This web-based software can measure location-specific climate-related risks and risk mitigation strategies. The BRI identifies climate variables most pertinent for buildings such as volcanic, fire, and seismic risks. We provided case studies of our existing projects, contributing insights to IFC's rating system before its launch. Our contribution included industry benchmark standards and market reception from designers, investors, and business developers.

## Legacy of Sharing

The COVID-19 pandemic taught us to overcome challenges by working together. The year 2020 opened opportunities for us to become channels of aid for those who are in need. Through Arthaland, individuals and corporations in our network could share their resources with those who needed assistance.

In pursuit of giving, Arthaland spearheaded a donation drive to support health workers at the frontlines. With their well-being vital to our recovery as a country, we sought to provide personal protective equipment and cleaning and sanitation supplies to help them have better conditions at work.

### Assistance for COVID-19 Field Centers

Arthaland also collaborated with Bayanihan Cebu, a private sector-led information drive that bridges donations from different individuals, groups, or organizations to help support the Bayanihan Cebu Field Centers. These Field Centers house COVID-19 patients that exhibit mild to moderate symptoms. We helped fund the International Eucharistic Congress (IEC) Field Center located in the IEC Convention Center along Pope John Paul II Avenue, which can accommodate around 200 patients.

Regular disinfecting activities





### Emergency Quarantine Facilities

As the pandemic surged in the Philippines with hospitals requiring more beds, Arthaland partnered with WTA Architecture + Design Studio and Anthology Festival Organization who gathered a team composed of several architects, doctors, engineer consultants, and the Philippine Army, to build Emergency Quarantine Facilities (EQFs). The EQFs were constructed to assist overwhelmed hospitals and accommodate COVID-19 positive patients who need immediate medical care and attention. Donations from our employees

and network funded two EQFs that benefited patients at the Ospital ng Makati and at the Taguig Pateros District Hospital.

### Medical contributions to partner communities

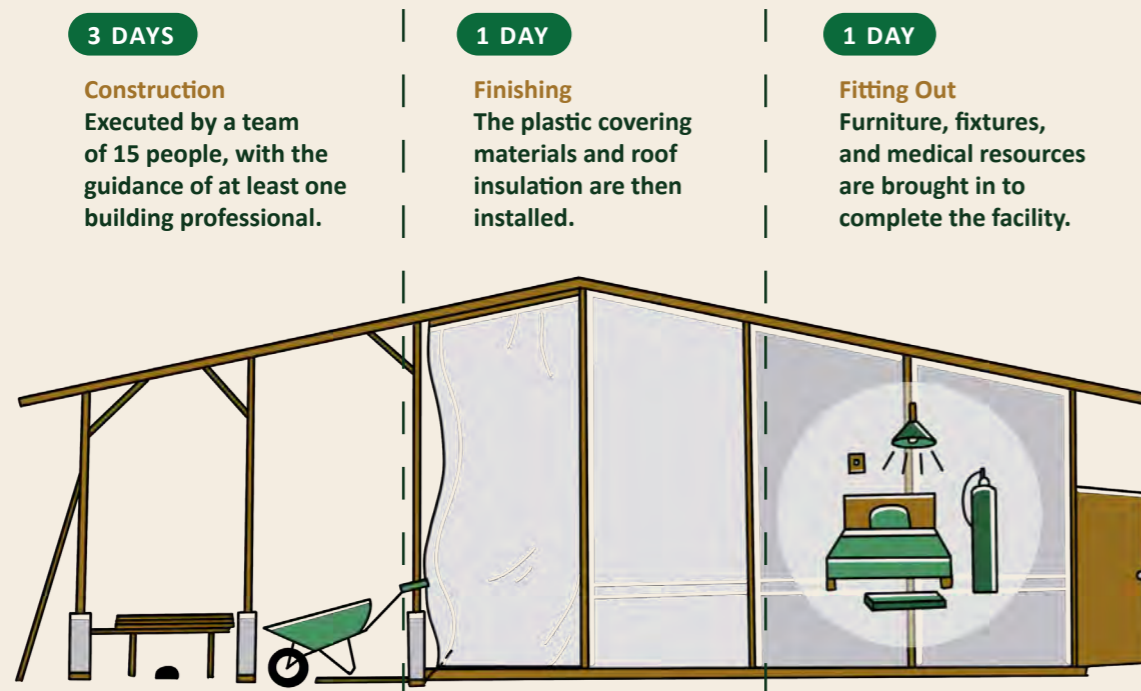
Donations of medical equipment and supplies, including Reverse Transcription Polymerase Chain Reaction (RT-PCR test kits were sent to different hospitals, local government units, and communities around the country to help track and break the chain of transmission of COVID-19.

## Women in Arthaland

In our pursuit for gender equality and women empowerment, we feature an Arthaland female employee who has provided exceptional contributions to the company.



### Building an Emergency Quarantine Facility (EQF)



3 DAYS

**Construction**  
 Executed by a team of 15 people, with the guidance of at least one building professional.

1 DAY

**Finishing**  
 The plastic covering materials and roof insulation are then installed.

1 DAY

**Fitting Out**  
 Furniture, fixtures, and medical resources are brought in to complete the facility.

**3.1 x 6 meters**  
 Dimensions

**5 days**  
 Total duration for building an EQF

### Leilani G. Kanapi

CE, MBA

"Lani" is the Vice President and Head of the Strategic Procurement Department of Arthaland and has been working in the company since its inception. At that time, she was entrusted with the responsibility to grow the department. Lani embraced the challenge and successfully introduced Arthaland as a green developer by supporting the need to seek sustainable materials. She effectively implemented a green procurement process that allowed Arthaland to engage with vendors that value sustainability. Through her leadership, the company created more demand for sustainable construction materials, increasing its accessibility in the market.

"As a member of Arthaland's senior management team, I empower others by encouraging them to rise above challenges. I believe that the right mindset, guided by integrity and the correct principles, will outweigh one's expertise."

## Partnership with a Purpose

An international partner shares their appreciation for our alliance and insights about collaborating with Arthaland to achieve a common goal.

### International Finance Corporation

The International Finance Corporation (IFC), a member of the World Bank Group, is the largest global development institution focused on the private sector in developing countries. Part of IFC’s mission is to create markets that support climate business, which allows the corporation to invest directly and partner with financial institutions in climate-smart sectors.

“At IFC, we see climate change as an acute global threat and a serious obstacle to development progress in countries like the Philippines. The private sector has a vital role to play in both tackling climate change and driving development impact. Arthaland was among the early adopters of EDGE in the Philippines. The company is now setting the example in the country and beyond, having pioneered the first EDGE-certified Zero Carbon building in the world. This makes Arthaland one of our major allies in this program.”

Vivek Pathak  
Director and Global Head of Climate Business

## Sustainable Development Goals

Arthaland endeavors to create green partnerships to strengthen the case of building sustainable projects. We believe that collaboration and resource-sharing have excellent power in spreading and raising sustainability standards. Hence, we maintain partnerships with the WorldGBC, The Climate Group, PHILGBC, USGBC, IFC, and IWBI to help promote green and healthy communities.



As the Philippines navigates through the global pandemic, Arthaland also seeks to uplift and develop sustainable communities. Together with our partners and stakeholders, we participate in donation drives and partnerships to reach out to those who need assistance. These programs demonstrate our mission to help build inclusive, safe, resilient, and sustainable communities.



## Arthaland’s Commitment

### Core Values

*We work together to get better | We have fun while getting things done*

While we are passionate about our advocacy, we also believe in having fun while spearheading meaningful initiatives. We create synergistic partnerships to build more creative ideas, assemble valuable resources, and amplify our reach.

Partnerships



**World Green Building Council (WorldGBC).** The WorldGBC transforms the building and construction sector to drive the ambitions of the Paris Agreement and UN Global Goals for Sustainable Development. Arthaland’s participation in the WorldGBC's Net Zero Carbon Building Commitment as the first real estate company and the first in the Philippines paves the way for more businesses and organizations to join the vision of a net zero carbon, healthy and resilient environment.



**The Climate Group.** It aims to drive fast climate action toward net zero carbon emissions by 2050. As a member of the Climate Group’s Energy Productivity 100, Arthaland shares its strategies and challenges on lowering greenhouse gas (GHG) emissions and increasing resource efficiency with multinational businesses in markets worldwide to help accelerate and scale net zero carbon.



**International Finance Corporation (IFC).** A member of the World Bank Group, IFC is the innovator of the EDGE green building certification and the Building Resilience Index (BRI), which provide a measurable solution for green and resilient buildings. Our developments serve as case studies for the limited pool of green buildings in emerging markets. We continue to share our journey on IFC forums and seminars to inspire others to embark on net zero.



**International WELL Building Institute™ (IWBI™).** IWBI leads the global movement for health and well-being in buildings through the WELL™ certification and Health-Safety Rating™ (HSR™). As an active member since 2019, Arthaland joined IWBI’s COVID-19 Taskforce to brainstorm with experts globally on ways buildings can be prepared, resilient, and recover from public health crises like the one we have today. We envision spaces that thrive, built with the concept of wellness, with the integration of WELL and HSR design strategies in all our projects.



**Philippine Green Building Council (PHILGBC).** PHILGBC developed and continuously improves its BERDE rating system to facilitate greener buildings and measure infrastructure against existing local environmental regulations and standards. As a member since 2009, we have actively participated in PHILGBC’s green building programs to transform the local market effectively. In further support to the organization, Edgar V. Sabidong, Vice President in Arthaland, sits as the Chairman and member of the Board of Trustees of the BERDE PR and Internal Policy Committees of PHILGBC.



**US Green Building Council® (USGBC®).** As a long-standing member since 2010, we provide case studies for LEED® certifications and participate in events to contribute to the continuous transformation and applicability of the rating tool for the global market. Our projects offer unique perspectives on residential and commercial developments in emerging markets such as the Philippines. Furthermore, we continue to support and contribute to the organization’s programs as part of our shared belief that everyone deserves a better and more sustainable life.

PROPERTY FEATURE

# Sevina Park and Villas

Southeast Asia's first and only master-planned mixed-use community to achieve Platinum certification for both LEED® for Neighborhood Development and LEED® for Homes for its four-bedroom villa unit



Platinum  
(LEED for ND)



Platinum, Model Unit  
(LEED for Homes)



Registered, Turnover units

**Sevina Park** is a mixed-use community located in the fast-evolving locale of Biñan in Laguna, about 30 kilometers south of the Makati Central Business District. This prime community provides convenient access to key urban areas and major infrastructures, including expressways, technoparks, as well as schools and universities. Sevina Park is a benchmark for sustainable living. Its green initiatives promise to improve the well-being of its residents.



Learn more:  
OUR PROPERTIES  
page 72

## Projected Villa Performance

Calculated based on EDGE building performance methodology with local conventional projects as baseline



## Development Highlights

### Net Zero

- \* **Rainwater management** reduces the risk of flooding in the community
- \* **Composting facility** provides a means to divert wastes from landfill while culturing organic fertilizer for the development
- \* **Endemic and endangered species** promotes biodiversity

### Health & Wellness

- \* **Security and Safety Command Center** houses the command, control, and coordinating office that keeps the community safe and secure

- \* A **highly walkable and bicycle-friendly neighborhood** allows independence from motorized vehicles while promoting an active lifestyle in the community
- \* **60% open and vegetated space** reduces heat in the micro-environment of the community and provides opportunities for social cohesion



FINANCIAL SUSTAINABILITY

# Investing in Net Zero

As a leader in the industry, Arthaland's definition of Financial Sustainability means investing in environmentally, socially, and economically sound ventures to guarantee healthy and consistent returns. Investments in a net zero future are the key to withstand the climate crisis and prove beneficial to the environment, the people, and the business. Forward thinkers worldwide, including financing institutions, are supporting sustainability and net zero-related projects.

The 2020 Global Status Report for Buildings and Construction (UNEP, 2020) indicates the amount spent for energy-efficient buildings globally increased to USD 152 billion in 2019, a 3% increase from 2018. This demonstrates that decarbonization and energy efficiency are becoming significant factors in investment strategies. At the United Nations Climate Summit in September 2019, financing institutions disclosed their aim to invest USD 1 trillion in zero carbon buildings by 2030.

The Net Zero Carbon Building Commitment signatories doubled for the past year, as seen in the World Green Building Council's Annual Report 2020. This growing support for sustainability and net zero initiatives from investors and business leaders shows that Arthaland is on the right path in the race to net zero.

## Net Zero Investments

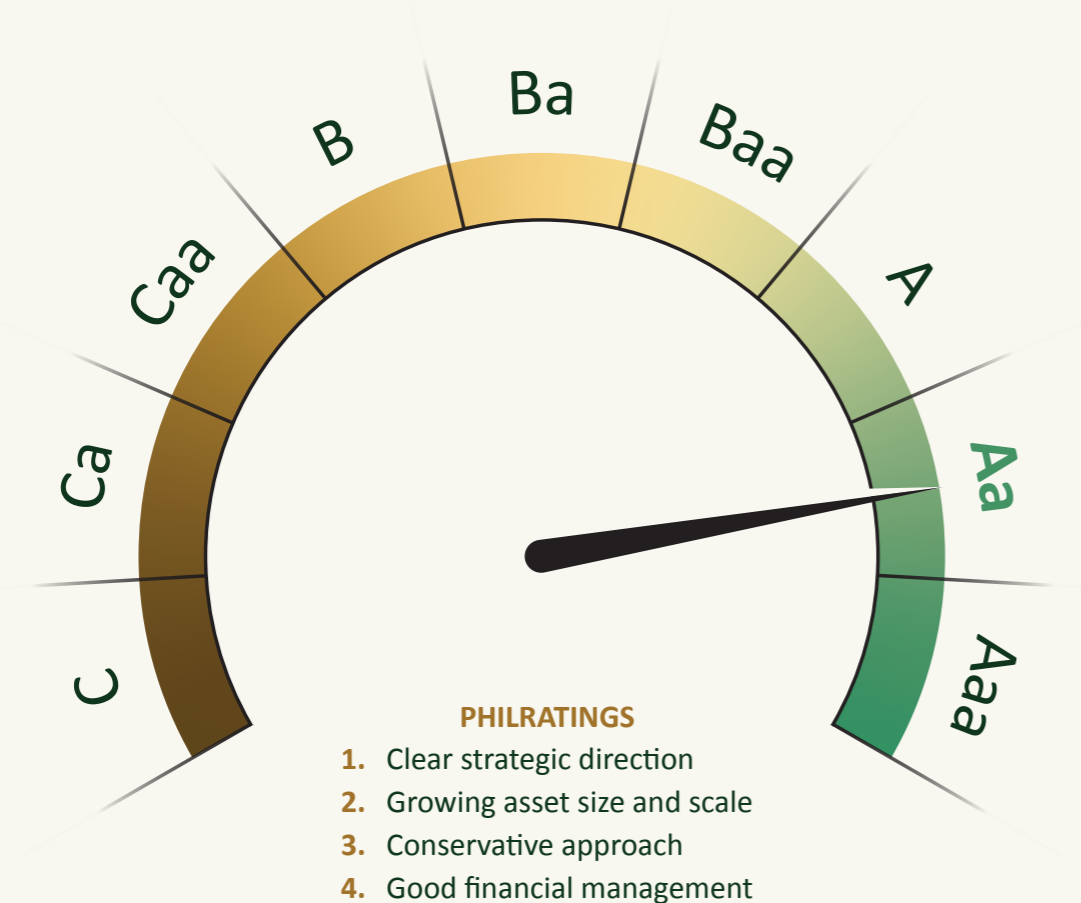
Arthaland expands its footprint and ensures business continuity by accessing green markets to finance sustainable projects.

### ASEAN Green Bonds

Arthaland successfully listed Php 3 billion fixed-rate ASEAN Green Bonds as the first non-bank issuer in the Philippines. The amount is an initial issuance in relation to the company's three-year shelf registration of up to Php 6 billion. Our bonds are committed to exclusively

fund green projects, defined by the award of a green building certification such as LEED®, BERDE or EDGE.

The Philippine Rating Services Corporation (PhilRatings) awarded our bonds the Issue Credit Rating of PRS Aa, a "Stable Outlook." This indicates that our bonds are high quality and are subject to very low risk. Favorable credit ratings and outlooks such as these serve as encouragement for investors interested in our net zero efforts.



## Business Continuity

In response to business resiliencies and economies being tested in 2020, Arthaland immediately adapted comprehensive protocols to allow the organization to proceed safely with its operations. We immediately set up a work-from-home scheme for activities that could operate off-site and enhanced the on-site environment for our skeletal workforce, such as frontline building and administrative staff.

### Digital Transformation

Arthaland's dexterous shift to digital infrastructure also established the continuity of business and operations. This included the use of online platforms that enable virtual meetings and communications, digital document

approvals, customer relationship management systems, and other operational activities. We also used video conferencing tools and other online platforms to keep in touch with the customers and communities we serve.

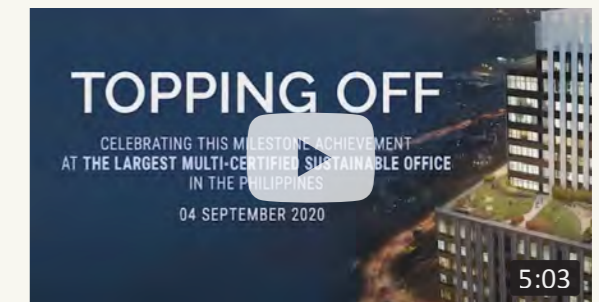
We provided our customers with avenues to stay connected and updated with Arthaland. We created compelling experiences through video events, such as the virtual topping-off ceremony for Cebu Exchange, a first in the industry. Virtual tours of project model units are also accessible online to recreate the experience of visiting the units live. We demonstrated that limitations to converge face-to-face will not hinder us from delivering our promise through these deliberate efforts.

### Virtual Tour



Sevina Park Villas | 4-BR Guided Tour

### Virtual Ceremony



Cebu Exchange | Virtual Top-off Ceremony

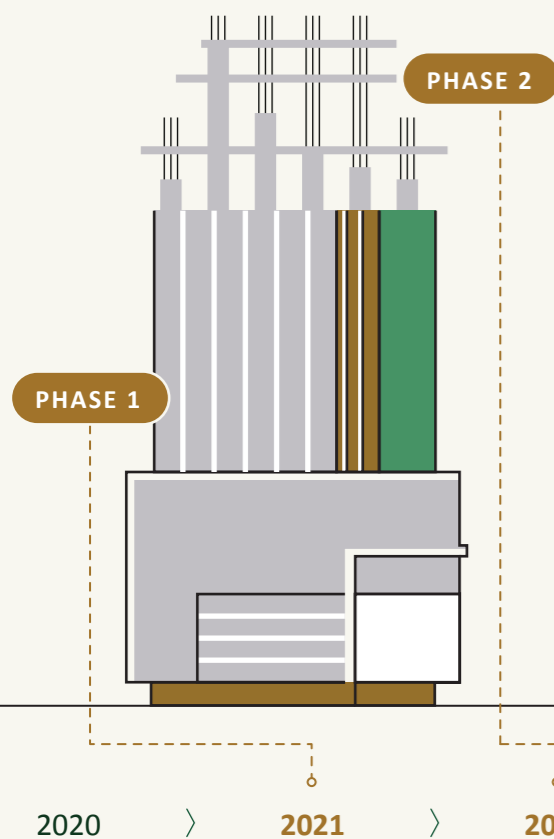
## On Track Construction

Despite the economic disruptions brought by the COVID-19 pandemic, Cebu Exchange and Savya Financial Center have remained on track with their construction milestones. This is made possible by our team’s fast and thorough implementation of procedures that created a safe bubble for workers in each of our sites. More than the government-mandated

protocols for operation during the COVID-19 pandemic, our bubbles included supplying nutritious food, lodging, and antigen testing every two weeks for all our workers on-site. While completing a project as scheduled amid a pandemic incurs additional costs to our company, we choose to move forward and deliver what we have promised.

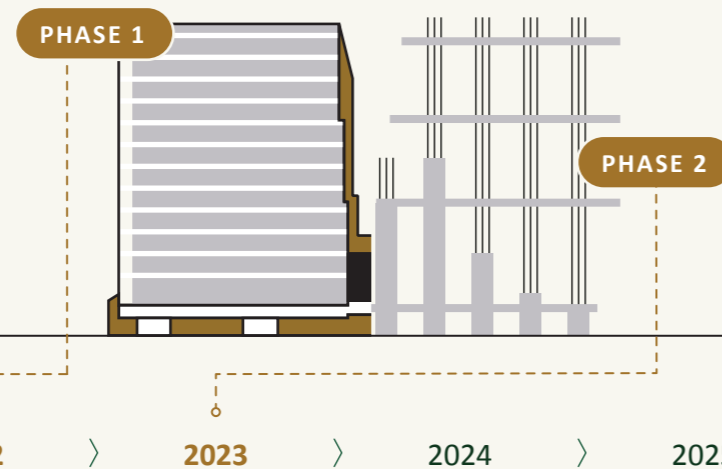
### Cebu Exchange

Lahug, Cebu City



### Savya Financial Center

ARCA South, Taguig City



## Partnership with a Purpose

We feature a renowned and international joint venture partner who recounts the benefits of working with Arthaland to reach their business goals.

### Mitsubishi Estate Group

The Mitsubishi Estate Group (MEG) is a comprehensive real estate developer from Japan that promotes sustainable and resilient urban development based on a long-term perspective. MEG actively pursues their vision through the alignment of their goals with the UN SDGs. They aim for an 87% reduction of their greenhouse gas (GHG) and an improvement of their renewable power ratio up to 100% by 2050.

“Our partnership with Arthaland through the Savya Financial Center, a sustainable project designed to have net zero carbon operations, is an investment that meets our target. We believe that our long-term partnership will open many opportunities that will lead us both to achieve our common vision and goals.”

Masaya Ohta  
 Executive Director of Mitsubishi Estate Asia

## Sustainable Development Goals

Arthaland’s drive toward financial sustainability creates more employment opportunities for green and healthy construction and operations of our buildings and community developments. As a result, the people in the communities that host our projects are given decent work opportunities that uplift their livelihood and well-being.



## Arthaland’s Commitment

### Core Values

*We act as owners | We always work with integrity*

Arthaland’s commitment to financial sustainability reflects the core values of acting as owners and working with integrity. Guided by these values, our actions produce exceptional properties that are the best in their class, rendering the business above reproach a worthwhile investment.

## Women in Arthaland

As we aim for gender equality and women empowerment, we feature a female Arthaland employee who has significantly influenced the company’s operations.



### Sheryll P. Verano

Sheryll is a Senior Vice President and the Head of the Strategic Funding and Investment Department, Investor Relations, and Corporate Planning Departments of Arthaland. Under her leadership, Arthaland successfully listed peso-denominated Green Bonds in the Philippines, thereby establishing a milestone for the company as the first non-bank issuer of these instruments in the country. In addition, the ASEAN Green Bonds further ensured that sustainability is more tightly woven across all areas of the company through contractual commitments that dedicate its use only toward certified sustainable projects.

“As a member of Arthaland’s senior management team, I am very appreciative of the company’s workplace culture because it allows me to fully express my ideas and contribute significantly to the company’s growth while also supporting my other roles as a mother and wife outside work. I believe that women should be supported to flourish in multiple capacities without sacrificing one in favor of another. This, for me, is the true meaning of empowerment, and I thank Arthaland for creating such a workplace for its women employees.”

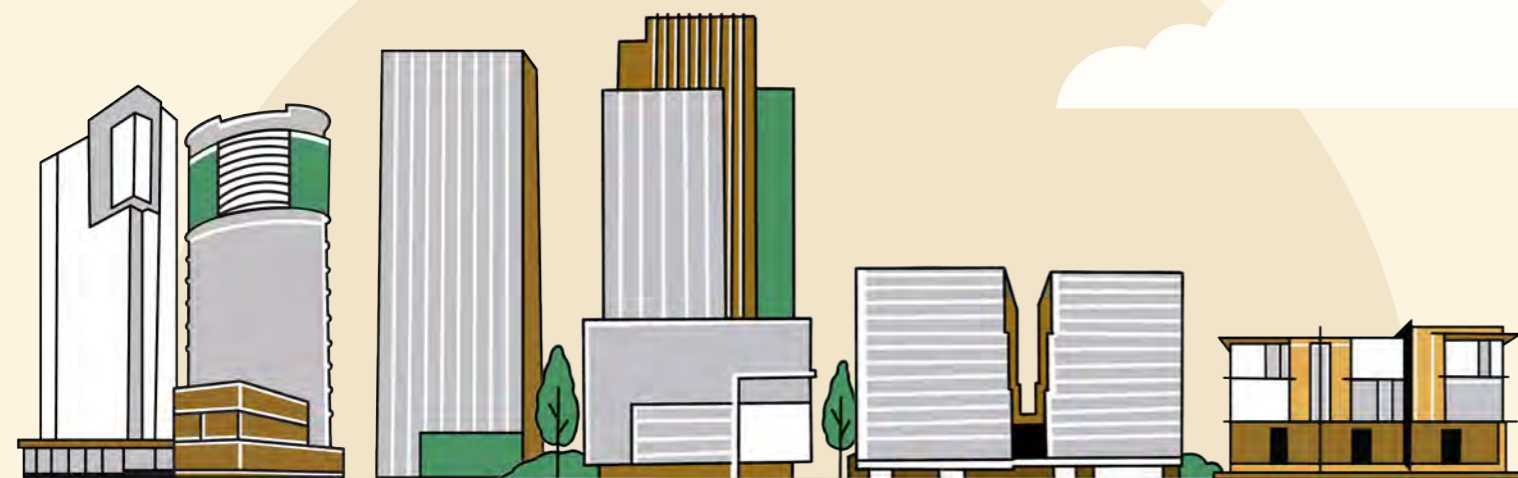


# Our Properties

## Embedding Sustainability in the Project Lifecycle

Arthaland's properties embody our sustainability vision which exceeds expectations and industry norms even after its turnover. We carefully and thoroughly integrate sustainability into all stages of our projects:

**Project Development, Design and Planning, Project Execution, and Delivery and After Sales.**



### 1 Project Development

This stage covers site evaluation, land acquisition, and the conduct of project feasibility studies. Our business plan provides details on criteria for site selection and assessment of suitable properties for development. All eligible sites are assessed based on their potential economic, environmental, social, and health impacts on their community.

### 2 Design and Planning

At this stage, we conceptualize, design, and identify the project's building performance targets and assemble a multi-disciplinary team of experts who ensure that sustainability is integrated into design and planning. Our project team experts work together to design our projects to meet the target operational performance, the desired energy and water savings, and other sustainability measures.

### 3 Project Execution

This succeeding stage of the project covers sourcing sustainable construction materials, establishing sustainable construction practices and managing the socio-environmental performance of our general contractors. We require that a portion of our project materials be green, characterized as recycled, reused, sustainable wood, locally sourced, and the like. Further, the strict implementation of erosion and sedimentation control, air quality, and waste management in all our sites are mandated.

### 4 Delivery and After Sales

The stage entails unit turn-over, building operations, and customer service, headed by Arthaland's wholly-owned subsidiary, Emera Property Management, Inc. (Emera). As the company's property management arm, Emera operates and maintains the building systems to bring about comfortable and safe indoor conditions according to international standards. These conditions are actualized by enhancing air and water quality, indoor lighting, acoustics, and ambient temperature for our residents and tenants' improved health and safety.

# Arya Residences

Two-tower luxury condominium that is the fusion of architectural refinement and environmentally sensitive design



## ADDRESS

McKinley Parkway,  
Bonifacio Global City, Taguig

## DEVELOPMENT TYPE

High-End Residential

## FLOOR AREA

74,284 sq.m.

## STATUS

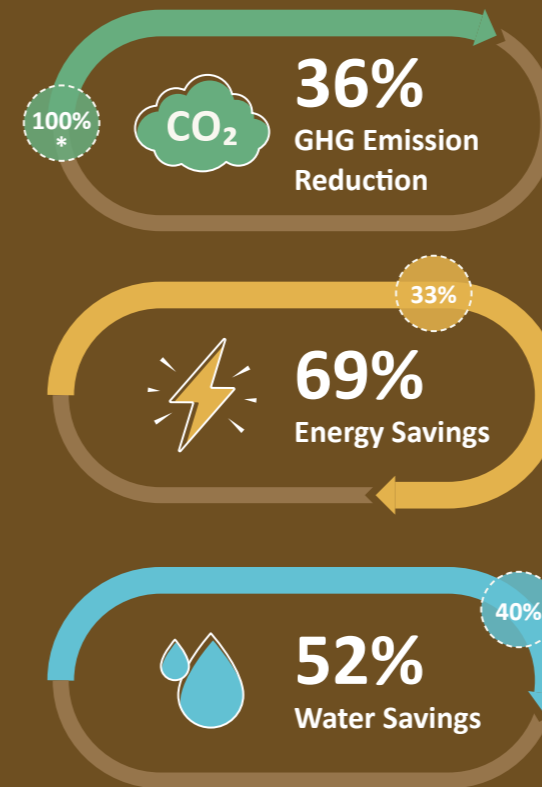
**Tower 1**, completed in 2013  
**Tower 2**, completed in 2016

## CERTIFICATIONS

LEED® Gold, 2016  
BERDE 4-Star, 2018  
ANZ/PH 3-Star, 2020

## 2020 Building Performance

Designed for target savings<sup>5</sup>



<sup>5</sup> Savings are calculated according to the LEED building performance methodology with international sustainable projects as baseline \* by 2030

## Sustainability Highlights

### Net Zero

- Building orientation to scoop wind for better ventilation
- Balcony fins and ledges to serve as sun shade
- Energy efficient air-conditioning system and energy efficient lighting
- Low-flow water-efficient plumbing fixtures
- Rainwater harvesting and recycling system
- Building materials with recycled content
- Preferred parking for green vehicles

### Health & Wellness

- Low-emitting and non-toxic building materials
- Potager garden

### Net Zero + Health & Wellness

- Large operable windows
- Landscaped deck with indigenous plants
- Bicycle storage and shower facilities

# Arthaland Century Pacific Tower

World-class multi-certified sustainable office development and the world's first EDGE Zero Carbon certified project

## ADDRESS

5th Avenue corner 30th Street, Bonifacio Global City, Taguig

## DEVELOPMENT TYPE

Premium Grade Office

## FLOOR AREA

34,295 sq.m.

## STATUS

Operational in 2019

## CERTIFICATIONS

LEED® Platinum, 2018

BERDE 5-Stars, 2018

EDGE Zero Carbon, 2019

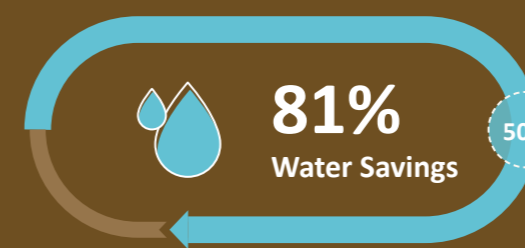
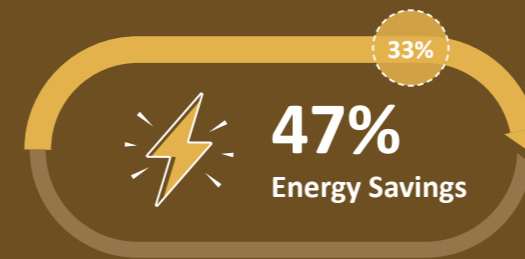
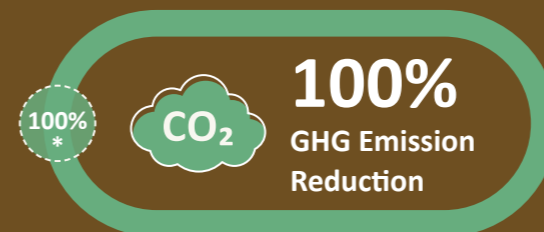
ANZ/PH Net Zero Energy, 2020

WELL HSR™, 2021

WELL™, on track

## 2020 Building Performance

Designed for target savings<sup>6</sup>



<sup>6</sup> Savings are calculated according to the LEED building performance methodology with international sustainable projects as baseline \* by 2030

## Sustainability Highlights

### Net Zero

- Triple and double glazed, low-e glass building envelope
- Energy saving air conditioning and lighting system
- Rainwater and condensate recycling systems
- Building materials with recycled content
- Forest stewardship council (FSC) certified wood materials
- Preferred parking for green vehicles
- 100% supplied by off-site renewable energy

### Health & Wellness

- Low-emitting and non-toxic building materials
- Potager garden

### Net Zero + Health & Wellness

- Demand-controlled ventilation with highly efficient filtration system
- Low-flow water-efficient and contactless plumbing fixtures
- Landscaped deck with indigenous plants
- Bicycle storage and shower facilities

# Cebu Exchange

Arthaland's multi-certified sustainable flagship development in Southern Philippines



**ADDRESS**

Salinas Drive, Lahug, Cebu City

**DEVELOPMENT TYPE**

Grade A Office Condominium

**FLOOR AREA**

108,564 sq.m.

**STATUS**

Under Construction

**CERTIFICATIONS**

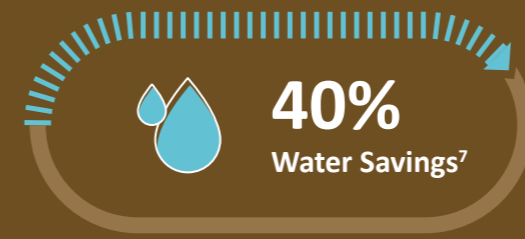
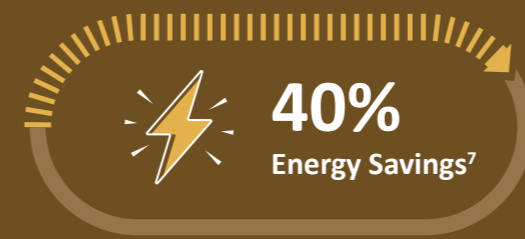
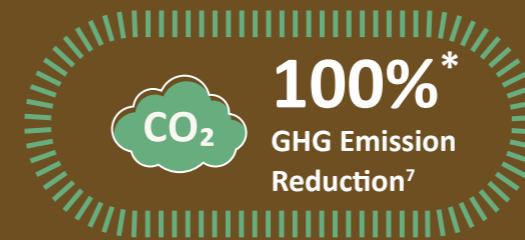
LEED® Pre-certified Gold, 2020

BERDE Design 5-Star, 2020

EDGE, on track

WELL™, on track

## Projected Building Performance



<sup>7</sup> Savings are calculated according to the BERDE building performance methodology with local sustainable projects as baseline \* by 2030

## Sustainability Highlights

### Net Zero

- Double glazed, low-e glass building envelope
- Energy saving air conditioning and lighting system
- Rainwater, condensate water and graywater recycling systems
- Building materials with recycled content
- Preferred parking for green vehicles
- 100% supplied by off-site renewable energy

### Health & Wellness

- Ventilation system with highly efficient filtration media
- Low-emitting and non-toxic building materials
- Potager garden

### Net Zero + Health & Wellness

- Low-flow water-efficient and contactless plumbing fixtures
- Landscaped deck with indigenous plants
- Bicycle storage and shower facilities

# Savya Financial Center

The next generation sustainable building in the Philippines



## ADDRESS

Pulse Street, ARCA South, Taguig City

## DEVELOPMENT TYPE

Grade A Office Condominium

## FLOOR AREA

59,868 sq.m.

## STATUS

Under Construction

## CERTIFICATIONS

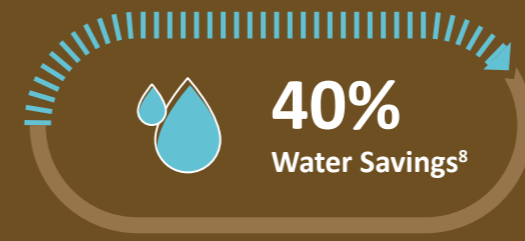
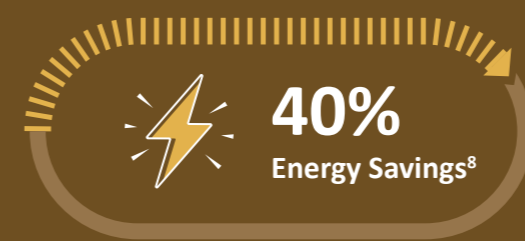
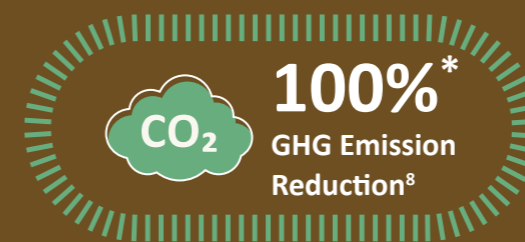
LEED® Pre-certified Gold, 2019

BERDE, on track

EDGE, on track

WELL™, on track

## Projected Building Performance



<sup>8</sup> Savings are calculated according to the EDGE building performance methodology with local conventional projects as baseline  
\* by 2030

## Sustainability Highlights

### Net Zero

- Double glazed, low-e glass building envelope
- Energy saving air conditioning and lighting system
- Rainwater and condensate water recycling systems
- Building materials with recycled content
- Forest stewardship council (FSC) certified wood materials
- Preferred parking for green vehicles and EV-charger ready parking slots
- 100% supplied by off-site renewable energy

### Health & Wellness

- Low-emitting and non-toxic building materials
- Potager garden

### Net Zero + Health & Wellness

- Demand-controlled ventilation with highly efficient filtration system
- Low-flow water-efficient and contactless plumbing fixtures
- Landscaped deck with indigenous plants
- Bicycle storage and shower facilities

# Sevina Park

A neighborhood development master-planned to become an inspiring environment for a holistic living experience in the Philippines



**ADDRESS**

Cecilia Araneta Parkway, Biñan, Laguna

**DEVELOPMENT TYPE**

Mixed-Use (Residential and Commercial)

**LAND AREA**

8.1 hectares

**STATUS**

Under Construction

**CERTIFICATIONS**



LEED® Platinum, 2020

## Sustainability Highlights

### Net Zero

-  Transit hub with electric shuttle services
-  Rainwater management
-  Wastewater treatment and reuse system
-  Energy efficient infrastructure
-  Proper lighting design to reduce lighting pollution
-  Composting facility

### Health & Wellness

-  Security and safety command center
-  Potager garden

### Net Zero + Health & Wellness

-  60% Green and open spaces
-  7-minute walk to complete and everyday comforts
-  Highly walkable and bicycle-friendly neighborhood
-  Home to endemic and endangered plants
-  Solar reflective materials to mitigate heat island effect

# Sevina Park Villas

Limited-edition designer villas with green features that improve the well-being of its residents



## ADDRESS

Cecilia Araneta Parkway, Biñan, Laguna

## DEVELOPMENT TYPE

108 limited-edition designer villas

## FLOOR AREA

138-182 sq.m.

## STATUS

Under Construction

## CERTIFICATIONS

LEED® Platinum, 2020

Villa 182 Model Unit

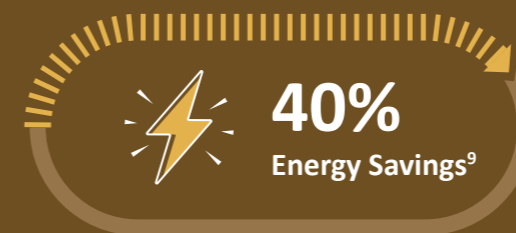
LEED®, *on track*

Villa 182 Turnover Units

EDGE, *on track*






Villa Turnover Units

## Projected Villa Performance





## Sustainability Highlights





### Net Zero

-  Energy efficient building envelope
-  Energy efficient lighting
-  Solar energy system  
(four-bedroom villa 182 units only)
-  Structurally ready to receive solar panels  
(two-bedroom villa 138 and three-bedroom villa 162 units)
-  Low-flow water efficient plumbing fixtures

### Health & Wellness

-  Low-emitting and non-toxic building materials
-  Equipped with wifi-ready home automation system

### Net Zero + Health & Wellness

-  Seamless integration to lush courtyards
-  Large operable windows
-  Energy recovery ventilation with high efficiency filtration systems  
(four-bedroom villa 182 units only)
-  Optimized natural daylight and quality views

<sup>9</sup> Savings are calculated according to the EDGE building performance methodology with local conventional projects as baseline

# Corporate Governance

Arthaland adheres to the highest principles and standards of good governance and proves that ethical business practice is ingrained throughout the company. With the guidance of our Board of Directors and Management Team, our corporate governance directives stay on track in achieving the company's goals and objectives. We maintain a system of stewardship and control that makes the Board and senior management accountable for warranting ethical behavior among personnel and suppliers and providing maximum benefits to other stakeholders in particular and society in general.



## Board of Directors

NAME OF DIRECTOR, AGE <sup>10</sup>	DIRECTORSHIP	DATE OF FIRST APPOINTMENT
<b>Ernest K. Cuyegkeng, 75</b>	Non-Executive	21 May 2007
<b>Jaime C. González, 75</b>	Executive	21 May 2007
<b>Jaime Enrique Y. González, 44</b>	Non-Executive	24 June 2011
<b>Christopher Paulus Nicolas T. Po, 50</b>	Non-Executive	24 June 2011
<b>Leonardo Arthur T. Po, 43</b>	Executive	01 August 2016
<b>Ricardo Gabriel T. Po, 53</b>	Non-Executive	28 March 2012
<b>Fernan Victor P. Lukban, 60</b>	Independent	25 April 2011 <sup>11</sup>
<b>Hans B. Sicat, 60</b>	Independent	30 June 2017
<b>Andres B. Sta. Maria, 72</b>	Independent	24 June 2016

<sup>10</sup> As of the date of the Arthaland 2020 Annual Report.

<sup>11</sup> Mr. Lukban ceased to be a director of ALCO in 2016 but was re-elected anew on 28 June 2019.

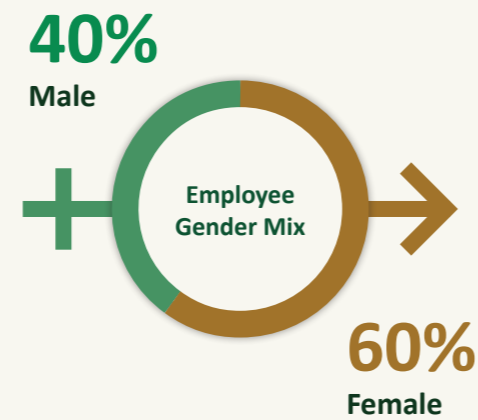
## Management Team

NAME	POSITION
<b>Jaime C. González</b>	Vice Chairman and President
<b>Leonardo Arthur T. Po</b>	Executive Vice President and Treasurer
<b>Christopher G. Narciso</b>	Executive Vice President
<b>Oliver L. Chan</b>	Head of Sales Operations
<b>Gabriel I. Paulino</b>	Head of Technical Services
<b>Sheryll P. Verano</b>	Head of Strategic Funding and Investments and Investor Relations Officer
<b>Riva Khristine V. Maala</b>	Corporate Secretary, General Counsel and Compliance Officer
<b>Ferdinand A. Constantino</b>	Chief Finance Officer
<b>Leilani G. Kanapi</b>	Head of Procurement Department
<b>Ma. Angelina B. Magsanoc</b>	Head of Marketing Department
<b>Edgar V. Sabidong</b>	Chief Sustainability Officer
<b>Clarence P. Borromeo</b>	Head of Information Technology Department and Data Privacy Officer

## Social-Equity Performance

Arthaland maintains fairness and equality in its dealings with employees. Reflective of our core value, “we only go for the best,” we practice qualification-based hiring and assessment, providing equal opportunities to all our applicants. Their capabilities are measured based on merit, ability, competence, experience, good employee track record, and appropriateness to the position. We do not discriminate based on gender, race, religion, and the like, observing equal and fair treatment to all the applicants.

We support our employees’ professional growth by providing training and development assistance through internal and external training, seminars, and conferences. The majority of the topics for training and webinars that we provide and participate in are intended to increase our workforce’s literacy in sustainability.



## Code of Business Conduct and Ethics

Arthaland fully recognizes that adherence to the highest standards of business conduct is vital to our growth, success, and attainment of our goals and objectives. Accordingly, we are committed to promoting a culture that fosters fairness, transparency, accountability, and integrity in the conduct of our business. We expect Arthaland employees to observe with zealous intent the practice of these values in the performance of their duties, in their relationships with teammates, and all dealings with stakeholders.

We promulgate our Code of Business Conduct and Ethics at all times as the constant and consistent guide for our employees’ actions and decisions. The code is reviewed annually or as may be deemed necessary by the Board of Directors. Failure to comply with the standards and abide by the values outlined in the code will be subject to face disciplinary action, including termination.

## Anti-Corruption Program

Arthaland established policies on Business Conduct and Ethics, Conflict of Interest, Anti-Corruption and Bribery, Insider Trading, and Related Party Transactions, among others, to:

- › Promote a culture that fosters and maintains the core values of fairness, transparency, accountability, and integrity
- › Disclose any conflict of interest on personal, professional, and business interests
- › Establish zero-tolerance to bribery and corruption
- › Prevent inside trading and adequately disclose and implement related party transactions

These policies embody our zero-tolerance to bribery and corruption because at Arthaland, “we always work with integrity.” Our employees exposed to such risks know the related policies and the proper procedure in handling situations that could put our organization at risk.



Arthaland 2020 Virtual Christmas Party Hosts and Production Crew

# Looking Ahead

Arthaland continues to be at the forefront of climate action, healthy living and work spaces, and well-being by building sustainable legacies that define, demonstrate, and deliver a better future. We need a world where people regard sustainable spaces as an essential element for living well.

Despite the global push to steer the construction and building sector toward sustainability, the involvement of local developers is still minimal. This propels us to influence this sector for a better future.

The Arya Residences in Bonifacio Global City in Taguig remains unparalleled as the model for sustainable residential projects in the country. To date, it is the first and only dual-certified residential condominium with LEED® Gold and BERDE 4-Star certifications. Our upcoming residential projects will uphold the same achievements and more, as they vie for LEED®, BERDE, EDGE, and WELL™ certifications.

With our net zero goal by 2030 on the horizon, we prepare to employ solutions to decarbonize the operations of all our ongoing and upcoming projects. Cebu Exchange and Savya Financial Center are on track toward this goal.

As the country's leader in green and healthy projects, we aspire to grow the industry so that together we can build a net zero future. Our development pipeline will expand our footprint to more geographic locations in the Philippines, including Cebu, Laguna, and Makati. As we move toward new territories, we envision new markets to find value in our green and healthy spaces.



# Awards & Recognitions



2020

**OCTOBER**

**2020 Transformational Business  
by Award Financial Times &  
International Financial Corporation**

- › Transformational Solutions  
in Urban Infrastructure, *Finalist*

**NOVEMBER**

**Philippine Leadership in Green  
Building Awards 2020 by Philippine  
Green Building Council**

- › Business Leadership in  
Sustainability Award, *Winner*
- › Leadership in Sustainable Design  
and Performance Award, *Winner*
  - \* Arthaland Century Pacific Tower

**DECEMBER**

**Energy Efficiency Awards by  
Department of Energy, Energy Utilization  
Management Bureau**

- › Large Building Category, *Winner*
  - \* Arya Residences
  - \* Arthaland Century Pacific Tower

**Leadership in Green Building Awards  
2020 by World Green Building Council  
& Asia Pacific Regional Network**

- › Business Leadership in Sustainability  
Award, *Special Recognition*

2021

**MARCH**

**The Asset Triple A Sustainable Capital  
Markets Regional Awards 2020 by The Asset**

- › Deal of the Year - Real Estate,  
*Best Local Currency Green Bond*

ARTHALAND is the only real estate developer in the Philippines with a portfolio which is 100% certified as sustainable, recognized by both local and global organizations for its focus on sustainability, wellness, high quality, and superior design.

It has made its mark in the Philippine real estate industry by pioneering the development and management of exceptional best-in-class properties that adhere to international and local standards.

## **Vision**

To be the preferred property company for sustainable developments, ensuring that the future will be better for our customers because of how we do things today

## **Mission**

To continue to be a world-class and pioneering property company

To build boutique, sustainable, and exceptional developments that will provide a wealth of life at home, at work, in the community and in our country



# ARTHALAND

BUILDING SUSTAINABLE LEGACIES

[www.arthaland.com](http://www.arthaland.com)

**ARTHALAND CORPORATION**

7F Arthaland Century Pacific Tower  
5<sup>TH</sup> Avenue corner 30<sup>TH</sup> Street, Bonifacio Global City  
1634 Taguig City, Philippines

**ARTHALAND GALLERY**

Arya Plaza at Arya Residences  
McKinley Parkway, Bonifacio Global City  
1634 Taguig City, Philippines

**ARTHALAND GALLERY**

Sevina Park, Cecilia Araneta Parkway  
4024 Biñan City, Laguna, Philippines

**ARTHALAND GALLERY**

2F Cebu Exchange, Salinas Drive  
6000 Lahug, Cebu City, Philippines